



NITE-TIMES NEWS

Chicago Area Timex Users Group
Volume 5, Number 6

Bonners Grove, Illinois
November/December 1991

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C.A.T.U.G. CLUB OFFICERS

Here is the list of 1991 club officers and how to contact them. The club has two strong SIGS, SPECTRUM/TS2068 and QL. If you have questions about either of these fine machines or even the ZX81/TS1000/TS1500 call one of the officers. C=312, S=708.

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Nazir Pashtoon	S439-1679	The buck stops here...
Vice-President	Steve Cooper	S968-3553	Meeting Planning, etc.
Secretary	John Donaldson	S232-6147	Records and Reporting
Treasurer	Al Feng	S971-0495	Dues and Purchasing
Editor	Bob Swoger	S576-8068	Newsletter, BBS, etc.

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NITE-TIMES NEWS

Nite-Times Information

The Nite-Times News is the newsletter of the Chicago Area Timex Users Group. For an annual fee of \$12.00 you can become a CATUG member with full membership privileges. Send your dues to:

**CATUG TREASURER AL FENG
15 WAKE ROBIN CT
WOODRIDGE IL 60517-1751**

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting users groups at no charge. Send all newsletter requests to:

**CATUG EDITOR BOB SWOGER
613 PARKSIDE CIRCLE
STREAMWOOD IL 60107-1647**

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group may be downloaded from our BBS and reprinted.

CONTRIBUTORS TO THIS ISSUE

**Al Feng
John Donaldson
Bob Swoger, K9WVY**

CLUB MEETINGS

The Chicago Area Timex Users Group meets on the THIRD Saturday of each month at the home of our meeting coordinator Steve Cooper in Downers Grove, Illinois from 1:00 to 5:00 PM. Steve's home is lovingly called the CLUB HOUSE and is located

at 1300 Maple Street in Downers Grove just 2 blocks southwest of the Downers Grove Public Library. Steve should be contacted evenings at 708/968-3553. to confirm the meeting schedule.

When visiting be careful of the Dutch Dooooooooooooorrrrrrrr.....

TREASURY NOTE\$

Our balance stands at \$202.13. Our current paid membership stands at 16.

Al Feng, Treasurer
Chicago Area Timex Users Group

SECRETARY'S NOTEPAD

November 16, 1991

The meeting was called to order at 2:12PM. Those present were: Messrs. Brezina, Cooper, Donaldson, Feng, Kahale, Mills, Pashtoon, Sauter and Swoger.

President Pashtoon was happy to say that he'd received some 64-column TS2068 material from Mr. Hradesky. Couldn't report further. Hadn't gotten into it yet.

Bob Swoger, always on the lookout for a bargain, bought a few things. This included a monochrome monitor which he offered for sale to CATUG. This would be left at Steve Cooper's home [the club house] so it could be available at meetings without the need to carry one in and out each month. There was some discussion about its suitability for 80 column QL display so action was tabled until after the business meeting.

Swoger called Jack Dohany in an attempt to set a price to be paid for an EPROM he'd sent which was turned into two EPROMs for a LarKen TS2068 system. Jack wouldn't allow payment, stating that the software is now public domain. It will be our pleasure to send Jack a copy of LogiCall.

Early versions of LogiCall seem to have a shortcoming. If you call FORMAT, MOVE or ERASE, it doesn't happen; if your word processor is MSCRIPT, not TASWORD, no word processor. If you use Loader V, not MTERM 2, no terminal. This has been corrected on Version 4.7. The modifications will appear in a future issue of Nite-Times News. They may also be placed in ZXir QLive Alive!

Steve Cooper tells us he needed to do a large amount of disk copying. So he wrote a small program to format four disks simultaneously in his Olicer system. It worked. Hearing this, there was a lot of concern and a few remarks about the perils of "amateur programming". A professional, he was told, would write warnings into the program and would NEVER have four drives operating at once. Harumph!

One of Bob Swoger's former Motorola associates left the company to become an entrepreneur of printer buffers and is advertising in Computer Shopper. He's selling a 1 MEG printer buffer at 20% off making them \$130 to our clubs. These are offered in serial or parallel in and parallel or serial out. They measure about 4" X 3" X 1" and are readily expandable to 4 MEGs! Bob is taking orders.

Next, Bob's wife made him proud when she moved up to a TS2068 from an IBM compatible. With Christmas coming, she wanted to send "personalized" greetings based on a form letter. He wrote a short program which allows her to perform a mail-merge function. Now he's thinking that with one of those 1 MEG buffers, she could load the programs and the data and go out to dinner while the printer chunks away until done.

Joan Kealy hadn't gotten an issue of NTN in awhile and wondered if her subscription had expired. Not so. This newsletter and ZXir QLive Alive! are behind schedule.

Sorry.

The meeting was adjourned at 3:08PM.

There were no scheduled demos. It was declared a "work" day.

December 14, 1991

The meeting was called to order at 2:05PM. Those present were Messrs. Brezina, Cooper, Donaldson, Feng, Kahale, Mills, Pashtoon, Sauter and Swoger.

The monochrome monitor offered to the club at our last meeting was deemed suitable and was purchased at a reasonable price.

John Shepard, our Iowa member purchased a Z88 laptop after reading about it in ZXir QLive Alive! He's also interested in a complete LARKEN system. A real Sinclair fan!

Bob Swoger bought a burned-out AERCO interface, rechipped it and now his wife uses it with LK-DOS and loves it.

John Donaldson announced that he'd joined NESQLUG and got in return, a letter from Sherman Waterman, the secretary which among other things informed him that they'd taken delivery on 70 disks of material from Germany. Move over QUANTA!

Nazir Pashtoon would like to take the Timex/Sinclair community to task. Two words are being spelled consistently wrong. They are protocol (often seen as protocall) and vendor (even more often seen as vender). Editors and writers, check your dictionaries.

John Donaldson brought in a catalog listing TI-99 keyboards for use with TS1000s or ZX81s at a very low price. Bob Swoger knows a fellow by the name of Wayne White who will donate 5 of them free to our group if we want them. Needless to say, no catalog orders were placed. But Jim Brezina remembered replacing his ZX81 with one which worked fine

until he hooked up a printer. Then he lost the use of some keys in the bottom row. Looking back into his copies of SYNTAX, he discovered an article which called for cutting out two capacitors and everything worked right again. Nazir pointed out that the most definitive series of articles on this modification appeared in seven issues of LIST's newsletter. Abed Kahale recalled an article in S.U.M. magazine, also.

There was discussion on disk quality (especially lack of polished surfaces) in the newer batches of low cost disks from outfits like Computer Direct, M.E.I. and CompUSA. Nazir and Bob both gave warning that we may be risking our disk drives while attempting to save money. Challenged by Al Feng and John Donaldson who have used M.E.I. disks exclusively without fault, they were told that what you may have bought 6 months ago isn't what is being shipped now. Al's feeling was that if you go by the amount of time you actually use your drives in a year, you're a long way from the time when the heads will actually wear out. Bob countered with a story about someone he knew who got cheap disks from M.E.I. which wouldn't turn inside their covers. Al Feng says if you're concerned about the integrity of the data on your disks, you should find Polaroid Teflon coated disks. They guaranteed that if you lost data, you could send it back to them and they would read the data and send it back on a new disk. Whether this was only ASCII data or machine code, he didn't know. The debate continues and the spirit of Sir Clive (Buy it cheap!) survives within a few of us, anyway.

John Donaldson saw an item in the July 1990 issue of UPDATE magazine by Peter Hale. In it, he claimed to "release the full power of your printer" for \$5, his printer's control codes, and a disk. Since John would like to do more with his IBM

Proprietary II, he called Peter for more information. He received a letter in about a week in which Peter promised to customize his printer driver, provide italics, and make a customized letterhead for him. This was too much for John's Scottish blood so he asked about his daisywheel printer.

Peter could make that run better, too, so John sent him \$10. A followup is promised at next meeting.

Bob Swoger and Abed Kahale are going to try out MaxCom in the early part of January. MaxCom is Larry Kenny's BBS/terminal package for 2068s. It should allow transfers of files from one computer's disk drive to another's via a modem.

Our housebound member, Grant Thomas, has a sick QL. These will be forwarded to Nazir for evaluation.

The following paragraph is, in reality, QUANTA business as I see it. However, a discussion about newsletter censorship revolved around an open letter written by Al Feng - a QUANTA member - which has not been published in Nite-Times News or ZXir QLive Alive! (ZQA) to date. Inasmuch as Al sensed an appeal to openness in an early issue of ZQA, he expected to see his letter in print but the editor saw fit not to print it.

This is an editor's prerogative, he was told. But the point he was trying to make was that Paul Holmgren, QUANTA representative for North America, was selling copies of QUANTA disks to some members of QUANTA at \$1.50 and advertising it on a double-sided flier at SMUGfest for purchase by anyone at \$3.50. (This flier also appeared in UPDATE! magazine.) Two questions arise: Should Paul be allowed by QUANTA to set his own price? And as the librarian, should he be selling to non-members? The facts seem to say that since there is no copyright on the material on the disks, they are de facto

public domain. Bob, with head down, said he would put it in the next Nite-Times News.

Dues (\$12 per year), we were told, are due at the January meeting. Al wishes to remind Ruth Fegley that she and John Impellizzeri are paid up thru 1992.

The meeting was closed at 3:23PM.

Steve Cooper demonstrated a new TS2068 program which provides an on-screen menu of the contents of his disks. This began before the meeting and was finished afterward. Otherwise, there were no demos.

John Donaldson, Secretary
Chicago Area Timex Users Group

NEWS ITEMS

The sad news was shared that Amstrad has discontinued production of the Spectrum 128 and Plus 3 computers for lack of sales.

INPUT/OUTPUT

An Open Letter from Al Feng

(to: Paul Holmgren, and
Whomever it May Concern)

By the time the majority of the people in the North American Sinclair community read this the leaves will have begun to change in some locales (some will have fallen) and it will no longer be 100+ degrees outside.

A respite from the summer heat has been provided by a cool front which has made its way down from Canada during this last week of July; but, the climate was HOT when the Summer issue of ZXir QLive Alive was shipped last week!

The ZQA "PD-QL Software" article has generated responses from varied sources, including

the I/O editorial commentary "About (the) Censorship" of (or, within) articles .

"Censorship" is an interesting choice of words as it suggests either (morally) OBJECTIONABLE or FORBIDDEN MATERIAL might have been contained within the aforementioned article.

At this point, elaboration and clarification seems to be the order of the day.

GIVEN: The sound of one hand clapping ...

Since the publication of the ZQA article, word has reached me that the SNUG PDL library is not "lost" (as suggested).

For those who may have been as uninformed as I, Frank Davis is the SNUG PD librarian for the QL. And (to date), it has been acquired by several people.

It may have been rash of me to suggest that the SNUG library was "lost" simply because I have no knowledge of SNUG's behind-the-scenes efforts; and, had apparently missed the "notice(s)" which advised as to availability/source (i.e., from whom they could be obtained), quantity, and cost.

My ignorance certainly did not preclude others from gleaning such information and acquiring the SNUG PDL library.

Since my ignorance is not the limit of knowledge on a(ny) topic, nor prevents an(y) idea or object from existing, I apologize to Frank Davis for the comments which suggest that the SNUG library was "lost" (i.e., not available).

GIVEN: Two people may observe the same event in a different manner.

Prior to Volume 1, Number 2 of ZQA going-to-press, a fair amount of discussion took place regarding my comments on the QUANTA PDL, Paul Holmgren, and myself at the 1990 SMUGFEST.

5 When I recount that I was told

by Paul Holmgren that the price for the QUANTA library disks was \$3.50 each, you may presume that either:

- a) my recollection of the event was accurate; or,
- b) I was drastically flawed in my perception.

Perhaps I did not hear Paul clearly.

Perhaps Paul did NOT hear me say that I was a QUANTA member (However, shouldn't he have had a list of the QUANTA members in North America from the QUANTA Head Librarian?).

I have been informed by Peter Hale that he (a QUANTA member) was charged only \$1.50 for a disk which he acquired at the 1990 SMUGFEST; and, Peter Hale knows of other QUANTA members acquiring disks via Paul Holmgren for a similar amount of only \$1.50/disk.

Perhaps I was in ERROR as to the per disk charge that I thought Paul had indicated.

IF that is the case, THEN my apology will certainly seem inadequate for any distress which my remarks may have generated for Paul, his family, or friends.

Nonetheless, to those people, please accept my apology if I was in error and mis-spoke.

But wait ...

A QUANTA Library "flier" was being handed out in Milwaukee which listed the various disks and which indicated a cost/fee of \$3.50 per disk. The same double-sided QUANTA-flier was reprinted in UPDATE! Magazine (October 1990).

How does QUANTA (or, Paul) want to explain an apparent two-tier pricing structure?

Could it be discrimination, OR is something else going on?

Since the flier was distributed

universally, (thankfully) we can rule out the possibility of discrimination.

Clearly something else is going on; but, it is not a matter on which I shall speculate.

GIVEN: Words without meaning never to heaven go.

[Milton, Paradise Lost]

Perhaps, I have had a unique experience with regard to the QUANTA and SNUG PDL libraries.

While I do NOT feel that such has been the case, my apologies to those who may feel that my REMARKS were mis-information.

My thanks to Don Lambert for printing the article as submitted despite initial reservations expressed in the ZXir QLive Alive I/O section.

It will be a barren harvest and "long winter" when the editors who serve our community object to discussion of matters that may (be of) trouble (within) our community or forbid revelation thereof.

HAPPY TRAILS,
AND COMPUTING,
TO YOU ...

FROM THE EDITORS DISK

I have known Paul Holmgren since SMUG-FEST. He became the president of SNUG about a year before, I am not sure how. He tried, but fell short in trying to make SNUG a success. During that time he met with some groups and took bashings. As the only QUANTA librarian he has again taken a bashing.

I have talked to him and I know another Paul Holmgren. He tries as a business man to make his customers happy. He is often generous with his offers. A business man must work to not lose his shirt. Sometimes businessmen don't always make potential buyers happy but Paul tries!

I have heard from one source at least one good thing that if I were to break a confidence would surely make you proud to know Paul and would make him blush.

Paul's one fault is that he doesn't write to us enough. Paul, please write either in ISTUG newsletter or UPDATE! and tell us what the picture is as far as the QUANTA library goes. I really believe that what we are seeing here is a changing QUANTA picture.

I think it is now time to quit bashing Paul and let him continue to help out the T/S community. He has a thick hide and has taken quite a bit of bashing so far but it does hurt him, I am sure. He does offer us much needed items for our T/S machines and loves to be able to help us in this regard. Paul has offered us good deals too. I remember a rock-bottom price for a complete JLO disk system at DAYTON.

Let's not chase him away! Though we think he has made a mistake or two, haven't we also made some? Let's forgive and get on with the FUN of T/S computing.

====GATOR=====

GATOR's TWISTED PAIR

! ! ! R E M E M B E R ! ! !
We now have a 24 hour BBS and encourage you to exchange mail and contribute to the Download Section. Use it and have fun!

The board has become semi-private at this time. Please call Bob Swoger at 708/576-8068 for information as to how to log on.

Bob Swoger, SYSOP
Chicago Area Timex Users Group

ITEMS FOR SALE THROUGH THE CLUB

It has come to our attention that some LarKen Users are

using something less than Version 3 firmware. The club will supply updated EPROMs, SYSTEM DISKS, and MANUALS for just \$5 which includes shipping and handling, free if ordered with LogiCall or Spectrum ROM.

=====

If you are a LarKen LK-DOS owner and would like a SPECTRUM V2 kit for your system we will supply an EPROM, socket and 74HCT32 for \$12 which includes shipping and handling. The install instructions are in your LarKen manual. We shall not be responsible for your install job. AERCO owners need only the SPECTRUM EPROM for \$10

=====

If you have a mismatch between you LarKen DOS EPROM and your Western Digital Controller chip, we will send you the correct one for free on behalf of our friends Rod Gowen of RMG and Larry Kenny of LarKen.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

SPECIAL DEALS AND BUYS

NAP_Ware (Nazir A. Pashtoon's new endeavor) announces the availability of all Timex or QL PAL (Programmable Array Logic) chips. If interested, call him evenings on 708-439-1679.

=====

LogiCall Integrated Software Ensemble easy operating system for TS2068 and Spectrum includes LogiCall 4.7 TASWORD II V2.6 VU-CALC VU-FILE and MTERM2 Drivers modified for LogiCall, DISKS.B1 TAPES.B1 steprt.B1 HEADER.BT (tape header reader by Nazir Pashtoon) FORMAT.B MOVE.BL and more all on 2 SSDD disks for \$5. You must specify your LK-DOS EPROM version. If you already have a copy you are encouraged to distribute copies to other LarKen LK-DOS users for as you see by the price we are not in the business of making money on it, just making LarKen's LK-DOS the BEST!

So you like to fly? The 747 Flight Simulator for Spectrum by Derek Ashton of DACC sold over 40K copies in EUROPE. Requires Spectrum Emulator. At this time supplied on LarKen SSDD or DSQD disk only for \$10 which goes to Derek Ashton now working at MOTOROLA, INC., Schaumburg, IL.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

Want to try MS-DOS first before you switch? Try QLuMSi DOS, the MS-DOS SIMULATOR on your QL first.
QLuMSi (disk/specify)\$15

Try Al's Side-Kick on your QL. It is an AOS like LogiCall on the TS2068 and can make your life on the QL a lot easier [you may never lust for MS-DOS again!] QLUSTER (disk/specify)\$10

CALL: Al Feng H(708) 971-0495

REVIEW

1 Meg Printer Buffer from Technologic Systems

Bob Miller, a past member of the Motorola Microcomputer Club visited recently. Bob is now an entrepreneur of printer buffers. Technologic Systems ads can be seen in Computer Monthly where Bill Ferrebee's articles appear.

Bob sent me one of his units, the BF3 with 1 MEG of RAM. The unit can be expanded to 4 MEG. The AERCO printer cable plugs into the BF3 and a provided cable connects the BF3 to the parallel printer. A 9 volt power supply plugs into the BF3. The TS2068 is ready to be used again in about 2 seconds after the ENTER key is pressed to start printing a 300 line TASWORD document.

To get multiple copies just press a button on the front of the unit twice and a second

copy is sent to the printer.

If I can get 3 or more names from the T/S community for these buffers, we can get them for \$130 instead of the normal \$160. Contact Bob Swoger, W708-576-8068 or H708-837-7957.

ARTICLES

SCREEN\$ TO TASWORD TWO

by
Bob Swoger

Did you ever type in a program only to find that it wouldn't run because of a typo in the article? All that time wasted! I recall talking to a member of one group who told me that she couldn't understand why a member detested having his programs typed into the club newsletter from a printout rather than using the data on a disk or tape. This of course was because a QL or IBM can't read T/S tapes or disks. [Thanks to George Chambers, T/S users can read IBM and QL disks. This issues Secretary report is from a IBM formatted QL disk.]

No matter how good a typist is there are always mistakes. The present day P.C.s pay a great price to get character recognition software to convert pixel information to word processor data. We practically have it for free, it came in our TS2068s!

Here is a little utility I used on the last article to get the BASIC listing on the screen to a TASWORD TWO file.

TO USE:

Bring the BASIC program listing up on the screen. If you have a LarKen system, press the NMI button followed by 'S'. If you don't type:

SAVE "SCREEN.CM" SCREEN\$

Exit that program and load in the program presented here. Be sure to have a copy of TASWORD on the disk. This program will

auto-run and call in TASWORD.
Load in screen.CT and set the
block markers to the top and
bottom of the text.

Merge in the article you are
writing, go to the bottom of
the file, press ENTER once, and
do the block move sequence. The
portion of the BASIC program is
now at the bottom of the file.

Repeat this as many times as it
takes to get the entire BASIC
file into the article file.

Use the scroll feature on the
BASIC to get to the right
screen segment to save.

You will like now having
flawless copy for your
newsletters, and the readers
will appreciate seeing the
program in print just the way
it is to appear on the screen
as they type it in. Just don't
play with it in the word
processor!

```
10 REM SCREEN$ TO TASWORD TWO
    ©1991 by Bob Swoger
 20 RANDOMIZE USR 100: LOAD "SC
REEN.CM"SCREEN$
 30 LET t=33280
 40 FOR r=0 TO 21
 50 FOR c=0 TO 31
 60 POKE t, CODE SCREEN$ (r,c)
 70 LET t=t+1
 80 NEXT c
 90 FOR t=t TO t+31
100 POKE t,32
110 NEXT t
120 NEXT r
130 RANDOMIZE USR 100: SAVE "sc
reen.CT"CODE 33280,1408
9992 RANDOMIZE USR 100: SAVE "SC
2TAS.B1" LINE 20
9998 RANDOMIZE USR 100: LOAD "TA
SWOR.BA"
```

SCOPY 1.06

by Al Feng

SCOPY 1.06 is a Sector_COPYing
program. It is "derived" from
R. Dwight's original program,
FASTDISK_BAS (QUANTA Utility)
which lacked a front-end [I
wiped out the data on the disk
in 'flop2' the first time I ran
the program!].

SCOPY provides the "missing"
front-end. The duping process
is now "safe" and relatively
easy. ANY disk drive may be
designated as either the source
or destination disk.

SCOPY requires SuperTOOLKIT
(TK2_EXT) code. It does not
require any additional memory.

The original REMarks have been
omitted. The program presumes
that you will be COPYing a 720K
disk to another 720K disk.

The destination and source
disks must have the same
density. If your configuration
needs are different, change
"tracks" (line 320) and/or
"sides" (line 330) to the
appropriate values.

USING SCOPY

The program begins with a
simple menu. Select:

'1' to continue,
'0' to exit, and
'4' to FORMAT a medium.

If you select '1' you will be
prompted to indicate which
drive contains the source disk.
INPUT a number, and then press
the 'ENTER' key.

You will then be prompted to
indicate the destination disk.
INPUT number, and then press
the 'ENTER' key, again. The
program will proceed until a
duplicate of the source disk
has been made, or until a 'BAD
SECTOR' is encountered on
either the destination or the
source disk.

The destination disk will be an
exact copy of the source disk.
Every byte is COPIed in the
same location as on the source
disk, incl. the header.

If you select '4' then you
should take care to ensure that
the number you indicate is for
the drive you wish to act as
the destination.

Disk "labelling" is not
provided in the FORMAT option

because the header information will be duped from the source disk during the duping process.

Because the program does not differentiate between sectors filled with data and those filled with zeroes, it takes as long to dupe a disk with one file as a "full" disk.

If you designate the wrong disk(s) as destination or source, you will undoubtedly wipe-out your once valued data.

If you have a poorly ordered disk, then your duplicate disk will reflect the same lack of thought. If your disks are "good" and the program balks then you should reset the QL and run only the SCOPY program.

This program has been used to successfully dupe 720K MS-DOS type disks (e.g., 3.5" 720K to 5.25" 720K, and vice-versa). Simply LOAD the program in normal QL mode, then insert your "master" MS-DOS disk into either disk drive, and a QL FORMATTed disk in the other. Then proceed. Again, the resulting disk will be an exact dupe of the original, in this case an MS-DOS disk.

HAPPY TRAILS, AND COMPUTING, TO YOU!

- - -

```
100 WINDOW #0,440,32,50,224:  
      WINDOW #1,440,226,50,30:  
      WINDOW #2,512,256,0,0  
110 PAPER #2,0: INK #2,5:  
      CLS #2: PAPER #1,0: MODE 0  
120 DEFine PROCedure Var  
130 WINDOW #0,196,120,160,80:  
      PAPER #0,0: INK #0,5  
140 CSIZE #2,2,1: INK #2,5:  
      PAPER #2,0: AT #2,1,15:  
      PRINT #2,"SCOPY Utility":  
      CSIZE #2,1,0: :  
      PRINT #2\\,,,  
      " Version 1.06a"::  
      INK #2,7: CSIZE #2,0,0  
150 BORDER #0,1,4,3: INK #0,7:  
      PRINT #0,\\,  
      " 1 = Continue\\,  
      " 0 = QUIT\\,  
      " 4 = FORMAT":  
      BEEP 900,20: PAUSE 7:
```

```
BEEP 400,30  
160 INK #0,2: PRINT #0,\\" --  
      CONTINUE WITH CAUTION --"  
180 anykey=INKEY$(-1)  
190 SElect ON anykey  
200 =1: GO TO 260  
210 =0: GO TO 640  
220 =4: Fmat  
230 END SElect  
240 END DEFine Var  
250 Var  
260 CLS #2: PAPER 0: INK 7:  
      CSIZE 1,0: AT 2,23:  
      PRINT " ";: INK 5:  
      PRINT "; then, <ENTER> ":  
      INK 2: AT 2,9:  
      PRINT "COPY from ";: INK 7:  
      INPUT "flp";a  
270 Aa$a  
280 INK 7: CSIZE 1,0: AT 4,23:  
      PRINT " ";: INK 5:  
      PRINT "; then, <ENTER>":  
      INK 2: AT 4,9:  
      PRINT " COPY to ";: INK 7:  
      INPUT "flp";b  
290 Ab$b  
300 OPEN #3, 'flp'&Aa$\&' *d2d'  
310 OPEN #4, 'flp'&Ab$\&' _*d2d'  
320 tracks = 80  
330 sides = 2  
340 FOR track = 0 TO tracks - 1  
350 x = 65536 * track  
360 gettrack  
370 puttrack  
380 WINDOW #0,190,50,166,130:  
      BORDER #0,1,2: AT #0,2,10:  
      INK #0,7: PRINT #0,  
      (1.25*(track+1)) DIV 1.25;  
      " %";: INK #0,2: PRINT #0,  
      " COPIED"  
390 NEXT track  
400 CLOSE #3  
410 CLOSE #4  
420 PAPER 0: INK 7: CLS:  
      PAPER #2,0: CLS #2  
430 BEEP 2000,20: PAUSE 14:  
      BEEP 1000,14: PAUSE 10:  
      BEEP 2000,20  
440 CSIZE 1,0: INK 7:  
      PRINT\\,"Disk in flp"  
      & a &  
      " _CLONEd TO Disk in flp"  
      & b & " _ \\\\ \\,\n      " - PRESS <ANY KEY> to  
      Continue -" :  
      PAUSE: CLS #2: Var  
450 DEFine PROCedure gettrack  
460 GET #3\x+1,a$:  
      GET #3\x+4,b$:  
      GET #3\x+7,c$:  
      GET #3\x+2,d$:  
      GET #3\x+5,e$:  
      GET #3\x+8,f$:  
      GET #3\x+3,g$:  
      GET #3\x+6,h$:
```

```

        GET #3\x+9,i$ 
470 IF sides = 2 THEN
480 GET #3\x+257,j$:
GET #3\x+260,k$:
GET #3\x+263,l$:
GET #3\x+258,m$:
GET #3\x+261,n$:
GET #3\x+264,o$:
GET #3\x+259,p$:
GET #3\x+262,q$:
GET #3\x+265,r$ 
490 END IF
500 END DEFine gettrack
510 DEFine PROCedure puttrack
520 PUT #4\x+1,a$:
PUT #4\x+4,b$:
PUT #4\x+7,c$:
PUT #4\x+2,d$:
PUT #4\x+5,e$:
PUT #4\x+8,f$:
PUT #4\x+3,g$:
PUT #4\x+6,h$:
PUT #4\x+9,i$ 
530 PUT #4\x+4,b$ 
540 IF sides = 2 THEN
550 PUT #4\x+257,j$:
PUT #4\x+260,k$:
PUT #4\x+263,l$:
PUT #4\x+258,m$:
PUT #4\x+261,n$:
PUT #4\x+264,o$:
PUT #4\x+259,p$:
PUT #4\x+262,q$:
PUT #4\x+265,r$ 
560 END IF
570 END DEFine puttrack
580 DEFine PROCedure Fmat
590 INK #0,7: AT#0,7,18:
PRINT #0,"      ":" 
AT #0,7,10:      - ":" 
INPUT #0,"FORMAT flp";zzz
600 STRIP #0,5: INK #0,0:
AT #0,7,4: PRINT #0,
"      FORMATting ";:
INK #0,7: PRINT #0,
"flp";zzz;"      - ":" 
STRIP #0,0
610 INK #0,0:
FORMAT #0,"flp"&zzz&" - "
620 CLS #0: AT #0,2,2:
INK #0,5:
DIR#0, "flp"&zzz&" - ":
PAUSE 40: CLS#0: Var
630 END DEFine Fmat
640 PAPER 0: CSIZE 0,0: CLS #2
AT #2,24,28: INK#2,7:
PRINT #2,
"@mended PLATYPUS Software"

```

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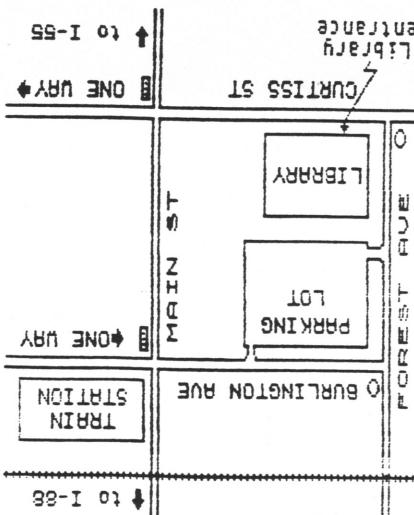
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